

B1
1. (Twice Amended) A yarn comprising a plurality of staple fibers chosen from the group consisting of non-metallic, non-carbonized conductive staple fibers, quasi-conductive staple fibers and mixtures of non-metallic, non-carbonized conductive and quasi-conductive staple fibers, the fibers from this group making up at least about 35 percent by weight of the staple fibers in the yarn.

4. (Twice Amended) The yarn of claim 1, wherein the plurality of staple fibers comprises at least some non-metallic, non-carbonized conductive staple fibers.

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5. (Twice Amended) The yarn of claim 4, wherein the individual non-metallic, non-carbonized conductive staple fibers have a DC linear resistance less than about 10^9 ohms per centimeter.

8. (Twice Amended) The yarn of claim 5, wherein at least some of the non-metallic, non-carbonized conductive staple fibers comprise carbon-loaded polymer.

9. (Twice Amended) The yarn of claim 5, wherein at least some of the non-metallic, non-carbonized conductive staple fibers comprise polymer loaded with antimony-doped tin oxide.

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10. (Twice Amended) The yarn of claim 5, wherein at least some of the non-metallic, non-carbonized conductive staple fibers comprise non-conductive polymer and are solution-coated with one or more electrically-conductive polymers.

11. (Twice Amended) The yarn of claim 5, wherein at least some of the non-metallic, non-carbonized conductive staple fibers comprise inherently-conductive polymer.

12. (Twice Amended) The yarn of claim 5, wherein at least some of the non-metallic, non-carbonized conductive staple fibers are bicomponent staple fibers.

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101. (Amended) The yarn of claim 1, wherein the yarn exhibits a corona current of at least about 0.3×10^{-4} amps upon application of a voltage of about 4000 V to the yarn.

Please add the following new claims 102 through 112:

102. The yarn of claim 14, wherein the conductive polymer comprises carbon-loaded polymer.

103. The yarn of claim 14, wherein the conductive polymer comprises polymer loaded with antimony-doped tin oxide.

104. The yarn of claim 14, wherein the conductive polymer comprises inherently-conductive polymer.

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105. The yarn of claim 19, wherein at least part of the second longitudinally extending constituent is exposed on the outer surface of the fiber.

106. A yarn comprising a plurality of staple fibers chosen from the group consisting of non-metallic conductive staple fibers, quasi-conductive staple fibers and mixtures of non-metallic conductive and quasi-conductive staple fibers, the fibers from this group making up at least about 35 percent by weight of the staple fibers in the yarn,

wherein the plurality of staple fibers comprises at least some bicomponent non-metallic conductive staple fibers,

wherein the individual non-metallic conductive staple fibers have a DC linear resistance less than about 10^9 ohms per centimeter, and

wherein the individual bicomponent staple fibers each comprise

a first longitudinally-extending constituent formed of at least one fiber-forming non-conductive polymer; and

a second longitudinally-extending constituent formed of at least one conductive material,

wherein the second longitudinally-extending constituent is in longitudinal contact with the surface of the first longitudinally-extending constituent, wherein the second longitudinally-extending constituent comprises conductive polymer, and wherein the first longitudinally-extending constituent forms a core of the fiber and the second longitudinally-extending constituent forms a sheath around at least part of the circumference of the core.

107. The yarn of claim 106, wherein the second longitudinally-extending constituent forms a sheath around the entire circumference of the core.

108. The yarn of claim 107, wherein said bicomponent conductive staple fibers make up at least about 50 percent by weight of the staple fibers in the yarn.

109. The yarn of claim 16, wherein said bicomponent conductive staple fibers make up substantially 100 percent of the staple fibers in the yarn.

110. The yarn of claim 106, wherein the conductive material comprises carbon-loaded polymer.

111. The yarn of claim 106, wherein the conductive material comprises polymer loaded with antimony-doped tin oxide.

112. The yarn of claim 106, wherein the conductive material comprises inherently-conductive polymer.

Please cancel claims 15-18.